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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/718,536	11/24/2003	Lalita Manchanda	A2550.0113/P113 A	1268	
46900	7590 11/29/2005		EXAMINER		
MENDELSOHN & ASSOCIATES, P.C. 1500 JOHN F. KENNEDY BLVD., SUITE 405			SCHILLINGER, LAURA M		
	HIA, PA 19102	0112 403	ART UNIT	PAPER NUMBER	
	,		2813		

DATE MAILED: 11/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/718,536	MANCHANDA ET AL.	
Office Action Summary	Examiner	Art Unit	· · · · · · ·
	Laura M. Schillinger	2813	
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with	the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailir earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA 136(a). In no event, however, may a repl will apply and will expire SIX (6) MONTH te, cause the application to become ABAN	TION. y be timely filed S from the mailing date of this communication. IDONED (35 U.S.C. § 133).	
Status			
1) ☐ Responsive to communication(s) filed on 15 ☐ 2a) ☐ This action is FINAL . 2b) ☐ This action is replication is in condition for allowed closed in accordance with the practice under	s action is non-final. ance except for formal matter		
Disposition of Claims			
4) ☐ Claim(s) 13-24 is/are pending in the application 4a) Of the above claim(s) 20 and 22-24 is/are 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 13-19 and 21 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or are subject to restriction and/or are subjected to by the Examin 10) ☐ The drawing(s) filed on is/are: a) ☐ accompany and request that any objection to the Replacement drawing sheet(s) including the correction.	withdrawn from consideration or election requirement. er. cepted or b) objected to by a drawing(s) be held in abeyance	the Examiner. e. See 37 CFR 1.85(a).	,
11) The oath or declaration is objected to by the E			<i>}</i> ·
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat* * See the attached detailed Office action for a list.	nts have been received. Its have been received in Apportity documents have been re au (PCT Rule 17.2(a)).	olication No eceived in this National Stage	
Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☑ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 11/24/03.		Mail Date rmal Patent Application (PTO-152)	

DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of claims 13-19 and 21 in the reply filed on 7/15/05 is acknowledged. The traversal is on the ground(s) that claim 12 is not generic and that claim 13 is in fact generic. This is not found persuasive because although a typo indicated incorrectly that claim 12 was generic, it was presumably understood by the Examiner, that claim 13 was in fact the generic claim. However claim 13 is generic to a multitude of species found within the dependent claims which were outlined in the restriction requirement. Applicant is entitled to only one specie per application and therefore the restriction was proper.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 13-19 and 21 are rejected under 35 U.S.C. 102(e) as being anticipated by Yamazaki ('687).

Yamazaki teaches the following claimed limitations as cited below:

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13. A method of fabricating a dielectric material, said method comprising: incorporating a Group V element in a Group III metal oxide (Col.21, lines: 35-45).

- 14. A method according to claim 13, wherein said Group III metal oxide is aluminum oxide (Col.21, lines: 35-45).
- 15. A method according to claim 13, wherein said Group V element is selected from the group consisting of nitrogen and phosphorous (Col.35, lines: 35-45).
- 16. A method according to claim 14, wherein said Group V element is selected from the group consisting of nitrogen and phosphorous (Col.21, lines: 35-45).
- 17. A method according to claim 13, wherein said dielectric material is deposited in an atmosphere comprising a mixture of oxygen and nitrogen (Col.21, lines: 35-45 and Col.3, lines: 30-40).
- 18. A method according to claim 17, wherein said mixture of oxygen and nitrogen has an oxygen-to-nitrogen ratio ranging from 24:6 to 9:21 (Col.3, lines: 30-40).
- 19. A method according to claim 17, wherein said mixture of oxygen and nitrogen has an oxygen-to-nitrogen ratio of 18:12 (Col.3, lines: 30-40).

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21. A method according to claim 13, wherein said dielectric material is formed by a technique selected from the group consisting of reactive sputtering, annealing, atomic layer deposition (ALD), chemical vapor deposition (CVD), metal organic chemical vapor deposition (MOCVD), plasma nitridation, and oxidation of metal nitrides (Col.21, lines: 35-45 and Col.3, lines: 30-40).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura M. Schillinger whose telephone number is (571) 272-1697. The examiner can normally be reached on M-T, R-F 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl W. Whitehead, Jr. can be reached on (571) 272-1702. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

11/25/05

Vacces Mifelely

Laura M Schillinger Primary Examiner Art Unit 2813